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	Filing Date	2004-04-21
	First Named Inventor	Gorenstein
	Art Unit	1639
	Examiner Name	Wessendorf, T. D.
	Attorney Docket Number	UTMB:1024

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4	5639603			1997-06-17	DOWER, et al.	
5	5663153			1997-09-02	HUTCHERSON, et al.	
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9	5756291		1998-05-26	GRiffin, et al.	
10	5801154		1998-09-01	BARACCHINI, et al.	
11	5844106		1998-12-01	SEELA, et al.	
12	9171792	B2	2001-01-09	BRENT, et al.	
13	6180348	B1	2001-01-30	LI	
14	6346611	B1	2002-02-12	PAGRATIS, et al.	
15	6369206	B1	2002-04-09	COLE, et al.	
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17	6551795	B1	2003-04-22	RUBENFIELD, et al.	
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	20	6867289	B1	2005-03-15	GORENSTEIN, et al.	
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2	20010014479		A1	2001-08-16	HUTCHENS, et al.	
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3	BRAASCH, D.A., et al., Nucleic Acids Res, 30(23), 5160-7 (2002) -Antisense inhibition of gene expression in cells by oligonucleotides incorporating locked nucleic acids: effect of mRNA target sequence and chimera design		<input type="checkbox"/>
4	BRAASCH, D.A. AND D.R. COREY, Biochemistry, 41, 4503-4510 (2002) - Novel antisense and peptide nucleic acid strategies for controlling gene expression		<input type="checkbox"/>

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5	CAPLEN, N.J., et al., PNAS, 98, 9742-9747 (2001) – Specific inhibition of gene expression by small double-stranded RNAs in invertebrate and vertebrate systems.	<input type="checkbox"/>
6	CASSIDAY, L., et al., "In Vivo Recognition of an RNA Aptamer by its Transcription Factor Target," Biochemistry (2001), 40:2433-2438	<input type="checkbox"/>
7	CHI, J.T., PNAS, 100(11), 6343-6 (2003) - Genomewide view of gene silencing by small interfering RNAs.	<input type="checkbox"/>
8	DOUCETTE, et al., Proteomics (2001), 1:987-1000, Investigation of the Applicability of a Sequential Digestion Protocol Using Trypsin and Leucine Aminopeptidase M for Protein Identification by Matrix-Assisted Laser Desorption/Ionization-Time of Flight Mass Spectrometry	<input type="checkbox"/>
9	ELBASHIR, et al., "RNA Interference is Mediated by 21- and 22-nucleotide RNAs," Genes and Development (2001), 15:188-200	<input type="checkbox"/>
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15	JACKSON, A.L., et al., Nat Biotech, 21(6), 635-637 (2003) – Expression profiling reveals off-target gene regulation by RNAi.	<input type="checkbox"/>

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16	JACQUE, J.M., et al., <i>Nature</i> , 418, 435-438 (2002) – Modulation of HIV-1 replication by RNA interference.	<input type="checkbox"/>
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18	KANAORI, et al., "Effect of Phosphorothioate Chirality on I-Motif Structure and Stability," <i>Biochemistry</i> (2004), 43:5672-5679	<input type="checkbox"/>
19	KAWASAKI, H., et al (Taira), <i>Nuc Acids Res</i> , 31(3), 981-987 (2003) – siRNAs generated by recombinant human Dicer include specific and significant but target site-independent gene silencing in human cells.	<input type="checkbox"/>
20	KING, D. et al., "Combinatorial Selection and Binding of Phosphorothioate Aptamers Targeting Human NF-kappa B RelA (p65) and p50," <i>Biochemistry</i> (2002), 41:9696-9706	<input type="checkbox"/>
21	KING, D.J., "Selection, Binding and Design of Phosphorothioate Duplex Aptamers for the Transcription Factors NF-IL6 and NP-KB," dissertation August 2001	<input type="checkbox"/>
22	KOLLER, E., et al., <i>Trends Pharm Sci</i> , 21, 142-148 – Elucidating cell signaling mechanisms using antisense technology.	<input type="checkbox"/>
23	LESCAR, J., et al., <i>Cell</i> 105(1), 137-48. (2001) - The fusion glycoprotein shell of Semliki Forest virus: an icosahedral assembly primed for fusogenic activation at endosomal pH.	<input type="checkbox"/>
24	MCCAFFREY, A.P., et al., <i>Nat Biotechnol</i> , 21(6), 639-44 (2003) - Inhibition of hepatitis B virus in mice by RNA interference	<input type="checkbox"/>
25	MILLER, V.M., et al., <i>PNAS</i> , 100(12), 7195-200 - Allele-specific silencing of dominant disease genes	<input type="checkbox"/>
26	NOVINA, C.D., et al., <i>Nat Med</i> , 8, 681-686 (2002) – siRNA-directed inhibition of HIV-1 infection	<input type="checkbox"/>

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27	OPALINSKA, et al , Nature Reviews (2002), 1:503-514., Nucleic-Acid Therapeutics: Basic Principles and Recent Applications	<input type="checkbox"/>
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30	RAVEH, S., "Peptidic Determinants and Structural Model of Human NDP kinase B Bound in Single-Stranded DNA," Biochemistry (2001), 40:5882-5893	<input type="checkbox"/>
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32	SEMIZAROV, D., et al., PNAS, 100(11), 6347-52 (2003) - Specificity of short interfering RNA determined through gene expression signatures.	<input type="checkbox"/>
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35	UEDA, TAKUYA, et al. (1991) Phosphorothioate-containing RNAs show mRNA activity in the prokaryotic translation systems <i>in vitro</i> . Nucleic Acids Research, Vol. 19, No. 3, pp. 547-552.	<input type="checkbox"/>
36	XIA, H.B. et al. Nat Biotech, 20, 1006-1010 (2002) – siRNA-mediated gene silencing <i>in vitro</i> and <i>in vivo</i> .	<input type="checkbox"/>
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See attached certification statement.

Fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

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Signature	/chainey singleton/	Date (YYYY-MM-DD)	2007-08-29
Name/Print	Chainey P. Singleton	Registration Number	53598

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